

Please type a plus sign (+) inside this box → [+]

PTO/SB08A/B (04-03)

Approved for use through 04/30/2003. OMB 0651-0031

Patent and Trademark Office; U. S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

SHEET 1 of 2

COMPLETE IF KNOWN

Application Number	To Be Assigned
Confirmation Number	To Be Assigned
Filing Date	September 5, 2003
First Named Inventor	Ryo Minoguchi, et al.
Group Art Unit	To Be Assigned
Examiner Name	To Be Assigned
Attorney Docket Number	AA602M

U. S. PATENT DOCUMENTS

EXAMINER INITIALS*	Cite No.	DOCUMENT NUMBER Number - Kind Code ² (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
ABS		US-H1698	11-04-1997	Lloyd	
		US-3,224,926	12-01-1965	Bernardin	
		US-3,314,891	04-01-1967	Schmolka	
		US-3,440,135	04-22-1969	Chung	
		US-3,556,932	01-19-1971	Coscia	
		US-3,926,816	12-16-1975	Cohen	
		US-3,929,135	12-30-1975	Thompson	
		US-3,932,209	01-13-1976	Chatterjee	
		US-3,954,721	05-04-1976	Gross	
		US-3,983,095	09-28-1976	Bashaw	
		US-4,035,147	07-12-1977	Sangenis	
		US-4,076,663	02-28-1978	Masuda	
		US-4,157,724	06-12-1979	Persson	
		US-4,264,289	04-28-1981	Day	
		US-4,278,113	07-14-1981	Persson	
		US-4,324,246	04-13-1982	Mullane	
		US-4,342,314	08-03-1982	Radel	
		US-4,352,649	10-05-1982	Jacobsen	
		US-4,353,687	10-12-1982	Nielsen	
		US-4,463,045	07-31-1984	Ahr	
		US-4,494,278	01-22-1985	Kroyer	
		US-4,609,518	09-02-1986	Curro	
		US-4,627,806	12-09-1986	Johnson	
		US-4,629,643	12-16-1986	Curro	
		US-4,640,810	02-03-1987	Laursen	
		US-4,650,409	03-17-1987	Nistri	
		US-4,654,039	03-31-1987	Brandt	
		US-4,687,478	08-18-1987	VanTillburg	
		US-4,724,980	02-16-1988	Farley	
		US-4,777,073	10-11-1988	Sheth	
		US-4,816,336	03-28-1989	Allou	
		US-4,822,453	04-18-1989	Dean	
		US-4,888,093	12-19-1989	Dean	
		US-4,898,642	02-06-1990	Moore	
		US-4,917,697	04-17-1990	Osborn, III	
		US-4,950,264	08-21-1990	Osborn, III	
		US-5,006,394	04-09-1991	Baird	
		US-5,102,597	04-07-1992	Roe	
		US-5,137,537	08-11-1992	Herron	
		US-5,164,459	11-17-1992	Kimura	
		US-5,607,414	03-04-1997	Richards	
		US-5,614,574	03-25-1997	Sheth	
		US-5,807,361	09-15-1998	Kajikawa	
		US-5,830,296	11-03-1998	Emenaker	
		US-5,916,670	06-29-1999	Tan	
		US-5,981,410	11-09-1999	Hansen	
		US-6,232,250	05-15-2001	Palumbo	
		US-6,436,855	8-20-2002	Iwata	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS*	Cite No. ¹	FOREIGN PATENT DOCUMENT			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
AB		JP	2001329432		11-27-2001	Chisso Corp		
		JP	06330443		11-29-1994	Maejima		

NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIALS*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
EXAMINER		<div style="font-family: cursive; font-size: 1.2em;">ABBERTY</div>	DATE CONSIDERED <div style="font-family: cursive; font-size: 1.2em;">11/27/05</div>

EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.